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Inventor(s): HONJO KENJI; KOBAYASHI MASUMI; YANONE KATSUYUKI  
Applicant(s):: MITSUBISHI RAYON CO LTD  
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**Abstract**

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**PROBLEM TO BE SOLVED:** To clean a separation membrane module efficiently with simple operation by circulating a chemical solution continuously or intermittently from an opening end part on one of the filtration side to an opening end part on the other filtration side of the separation membrane module, after the draining of a liquid to be treated when cleaning the separation membrane module.

**SOLUTION:** When cleaning the separation membrane module 2, first a liquid to be treated is drained from a both 1 for the liquid to be treated, then a chemical solution is injected into a chemical solution both 4 and a pump 13 for supplying the chemical solution is activated. Thus the chemical solution to be supplied from the chemical solution both 4 is allowed to run through the separation membrane module 2 from an opening end part 4 on one of the filtration sides and to circulate into the chemical solution both 4 from an opening end part 6 on the other filtration side. In this case, part of the chemical solution oozes out to the outer surface of the membrane of the module 2 to be drained into the both 1. In addition, the chemical solution is caused to run to the interior of the separation membrane module 2 continuously or intermittently for optional circulation. When performing the intermittent run of the chemical solution, the pump 13 for supplying the chemical solution is intermittently activated.

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